

REMARKS

Claims 1-6 and 8-14 are pending in this application. By this Amendment, claims 1-6 and 9-14 are amended. Support for the amendments to claims 1-6 and 9-12 can be found in the specification, for example, at page 4, line 29 - page 5, line 9. No new matter is added.

Claims 1-6 and 8-14 are rejected under 35 U.S.C. 112, first paragraph. The rejection is respectfully traversed.

By this Amendment, claims 1-5 and 9-12 are amended responsive to the rejection. Applicants thus respectfully request withdrawal of the rejection.

Claims 1-6 and 8-14 are rejected under 35 U.S.C. §103(a) over U.S. Patent No. 6,308,225 B1 to Schofield ("Schofield") in view of Object-Oriented Client/Server Internet Environments by Umar ("Umar") and further in view of "Applied Operating System Concepts" by Silberschatz et al. ("Silberschatz"). The rejection is respectfully traversed.

None of the above-applied references teaches or renders obvious every claimed feature of independent claims 1-5 and 9-12. None of the above-applied references teaches or renders obvious "providing at least a function identifying register for identifying the function name defined by the first interface definition language for a server interface circuit in order to realize the interface among the function identifying register for identifying the function name defined by the first interface definition language, an input/output register for storing the argument, and a return value register for storing the return value," as recited in independent claims 1 and as similarly recited in independent claims 2-5 and 9-12 (emphasis added).

The Office Action asserts that col. 2, lines 45-65; col. 3, line 54 - col. 4, line 7; and col. 8, lines 12-22 of Schofield teach the previously recited "means for inputting ... means for inputting and outputting the argument ... and means for outputting the return value" of independent claims 1-5 and 9-12 (see Office Action, page 4). However, the above-referenced passages of Schofield relate to software elements (see col. 2, lines 45-65; col. 3, line 54 - col.

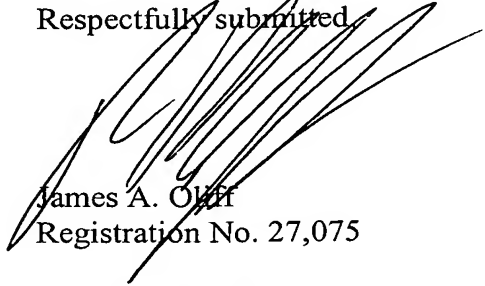
4, line 7; and col. 8, lines 12-22 of Schofield). By this Amendment, independent claims 1-5 and 9-12 are amended to recite hardware elements that perform the function-identifying, argument-storing and return-value-storing functions. The presently-recited invention has an advantage over Schofield in that an interface program with a hardware device can be automatically generated by defining respective registers for storing each of the names, arguments and values in order to automatically generate a program that reads and writes to each register. Schofield, Umar and Silberschatz do not disclose such hardware components, and thus do not teach or render obvious the features of independent claims 1-5 and 9-12.

Therefore, for at least these reasons, independent claims 1-5 and 9-12 are patentable over the applied references. Claims 6, 8, 13 and 14, which respectively depend from independent claims 5, 3, 12 and 10, are also patentable for at least their dependency on independent claims 5, 3, 12 and 10, as well as for the additional features they recite. Applicants thus respectfully request withdrawal of the rejection.

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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